

METHOD AND SYSTEM FOR PROTECTING
A NETWORK INTERFACE

ABSTRACT OF THE DISCLOSURE

5 A method and system for protecting data transfers
between a switch and physical network ports transfers
data from a master network interface to a slave network
interface, synchronizing the data transfer through a
protection first in first out circuit that references the
master clock and the slave clock. The master network
interface improves ATM switch efficiency by supporting
optical trunk and subtend ports for a digital subscriber
10 line access multiplexer. The slave network interface
provides back-up protection on a port basis so that a
failed trunk port of the master network interface is
backed up by the slave network interface even while the
master network interface maintains a subtend port.

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